

Active Recombinant Human LCK protein, GST-tagged

Cat. No. LCK-6530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LCK protein(NP_001036236.1) (Met 1-Pro 509) was expressed in Insect Cells, fused with the GST tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-509 aa
Form	Supplied as sterile 50mM Tris, 100mM NaCl, pH 8.0, 0.5mM GSH, 0.1mM EGTA, 0.1mM EDTA, 0.5mM PMSF, 10% glycerol.
Bio-activity	1. The specific activity was determined to be 70 nmol/min/mg using Poly(Glu,Tyr) 4:1 as substrate. 2. Measured by its ability to bind recombinant human CD3E in a functional ELISA.
Molecular Mass	The recombinant human LCK/GST chimera consists of 734 amino acids and predicts a molecular mass of 84.4 kDa. It migrates as an approximately 80 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.2-1.0 mg/mL.

GENE INFORMATION

Gene Name LCK lymphocyte-specific protein tyrosine kinase [Homo sapiens]

Official Symbol LCK

Synonyms LCK; lymphocyte-specific protein tyrosine kinase; tyrosine-protein kinase Lck; leukocyte C-terminal Src kinase; p56(LSTRA) protein-tyrosine kinase; t cell-specific protein-tyrosine kinase; proto-oncogene tyrosine-protein kinase LCK; lymphocyte cell-specific protein-tyrosine kinase; T-lymphocyte specific protein tyrosine kinase p56lck; LSK; YT16; p56lck; pp58lck;

Gene ID 3932

mRNA Refseq NM_001042771

Protein Refseq NP_001036236

MIM 153390

UniProt ID P06239

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